

**To:** Ioven, Dawn[Ioven.Dawn@epa.gov]  
**From:** Gross, Bonnie  
**Sent:** Tue 1/21/2014 5:26:11 PM  
**Subject:** RE: Additional chemical was in Tank 396 with the MCHM that was leaked

Thanks Dawn.

**From:** Ioven, Dawn  
**Sent:** Tuesday, January 21, 2014 12:20 PM  
**To:** Gross, Bonnie  
**Cc:** Johnson, Eric  
**Subject:** RE: Additional chemical was in Tank 396 with the MCHM that was leaked

Found a basic Fact Sheet prepared by Dow for this proprietary chemical. The good news seems to be that it is not very soluble in water, nor is it volatile. I will start searching for tox info. I'll touch base when I find something. Thanks.

<http://www.dow.com/products/product/dowanol-pph-glycol-ether/>

Dawn

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Dawn A. Ioven, toxicologist

U.S. EPA - Region III

(3HS41)

1650 Arch Street

Philadelphia, PA 19103

215.814.3320

**From:** Gross, Bonnie  
**Sent:** Tuesday, January 21, 2014 12:09 PM  
**To:** Ioven, Dawn

**Cc:** Johnson, Eric

**Subject:** FW: Additional chemical was in Tank 396 with the MCHM that was leaked

Dawn,

Here's the message I called you about.

Thanks, Bonnie

**From:** Melvin, Karen

**Sent:** Tuesday, January 21, 2014 12:02 PM

**To:** Gross, Bonnie

**Subject:** FW: Additional chemical was in Tank 396 with the MCHM that was leaked

FYI.

**From:** Burns, Francis

**Sent:** Tuesday, January 21, 2014 11:57 AM

**To:** Melvin, Karen; Hodgkiss, Kathy; Johnson, Eric

**Subject:** FW: Additional chemical was in Tank 396 with the MCHM that was leaked

Eric:

Do we have someone who can look into this chemical?

Thanks,

Fran

**From:** Werner, Lora  
**Sent:** Tuesday, January 21, 2014 11:41 AM  
**To:** Linden, melissa; Burns, Francis; Kelly, Jack (R3 Phila.)  
**Cc:** Helverson, Robert; Markiewicz, Karl; Larry F Cseh  
**Subject:** Re: Additional chemical was in Tank 396 with the MCHM that was leaked

This looks like another proprietary chemical with limited public information available. Is EPA able to obtain any additional tox studies information from Freedom or elsewhere? Lora

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**From:** Linden, melissa  
**Sent:** Tuesday, January 21, 2014 10:55:45 AM  
**To:** Burns, Francis; Kelly, Jack (R3 Phila.); Werner, Lora  
**Subject:** Additional chemical was in Tank 396 with the MCHM that was leaked

Good morning,

During the 10am meeting with Freedom Industries this morning we were told that there was a mixture in Tank 396, instead of just MCHM. The mixture was approximately 5.6% of the PPH which can be found in the attached MSDS sheet from published by Freedom Industries. The PPH is a combination of the two products from DOW which are also attached to this email. Approximately 300 gallons of the PPH with 6251 gallons of MCHM for the total release (including what is still in the soil and what made it to the river).

Thanks,

Melissa Linden

On-Scene Coordinator

Western Response Branch (3HS32)

Hazardous Site Cleanup Division

1060 Chapline St. Suite 401

Wheeling, WV 26003

Phone: 304-234-0251

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**From:** **Ex. 4 - CBI** @TechLawInc.com>

**Sent:** Tuesday, January 21, 2014 10:40 AM

**To:** sharma, raj; Linden, melissa

**Subject:** MSDS for PPH

Hello,

Attached, please find the three MSDS for the PPH.

Thanks,

**Ex. 4 - CBI**

**Ex. 4 - CBI**

Techlaw, Inc

2208 Warwood Ave

Wheeling, WV 26003

**Ex. 4 - CBI**